

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/013450

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K14/705	C07K16/28	C12N15/12	C12N15/63	A61K38/17
A61K39/00	G01N33/53	G01N33/68		

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K C12N A61K G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, Sequence Search, CHEM ABS Data, WPI Data, PAJ, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL [Online] 18 February 2002 (2002-02-18), DRMANAC RT ET AL.: "New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity" XP002328367 retrieved from EBI Database accession no. ABG22856 abstract -& WO 01/75067 A (HYSEQ, INC; DRMANAC, RODOJE, T; LIU, CHENGHUA; TANG, Y., TOM) 11 October 2001 (2001-10-11) page 28, line 12 - line 16; SEQ ID NO: 53215; claims 1-28 ----- -/-</p>	1-53
X		1-53

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

24 May 2005

Date of mailing of the international search report

16-08-2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Schmidt, Harald

INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-53 (all partially)

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013450

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 0175067	A 11-10-2001		AU 3486501 A AU 3995501 A AU 4925101 A AU 4972801 A AU 5119401 A AU 5521401 A CA 2399681 A1 CA 2404501 A1 CA 2404555 A1 EP 1254266 A1 EP 1268762 A1 EP 1268510 A2 JP 2004502403 T JP 2004500120 T WO 0157266 A1 WO 0164839 A2 WO 0175067 A2 WO 0175064 A2 WO 0174836 A1 WO 0175093 A1 US 2004048249 A1 US 2003092112 A1 US 2003087370 A1 US 2003096279 A1 US 2003235883 A1 US 6436703 B1 US 2002061567 A1 US 2003180722 A1 US 2002146757 A1 US 2005170374 A1	14-08-2001 12-09-2001 15-10-2001 15-10-2001 15-10-2001 15-10-2001 09-08-2001 11-10-2001 11-10-2001 06-11-2002 02-01-2003 02-01-2003 29-01-2004 08-01-2004 09-08-2001 07-09-2001 11-10-2001 11-10-2001 11-10-2001 11-03-2004 15-05-2003 08-05-2003 22-05-2003 25-12-2003 20-08-2002 23-05-2002 25-09-2003 10-10-2002 04-08-2005
WO 03054213	A 03-07-2003		US 2003190614 A1 AU 2002357071 A1 CA 2466885 A1 EP 1456222 A2 JP 2005512574 T WO 03054213 A2 US 2005054046 A1	09-10-2003 09-07-2003 03-07-2003 15-09-2004 12-05-2005 03-07-2003 10-03-2005
WO 0032767	A 08-06-2000		EP 1006183 A1 AU 1780000 A CA 2352539 A1 WO 0032767 A1 EP 1135486 A1 JP 2002531086 T NZ 511664 A	07-06-2000 19-06-2000 08-06-2000 08-06-2000 26-09-2001 24-09-2002 19-12-2003
WO 0015214	A 23-03-2000		AU 769489 B2 AU 5755499 A AU 2004201789 A1 CA 2343414 A1 CN 1323203 A ,C EP 1109545 A1 WO 0015214 A1 JP 2002524504 T RU 2236222 C2 US 6355683 B1 US 2002061844 A1	29-01-2004 03-04-2000 27-05-2004 23-03-2000 21-11-2001 27-06-2001 23-03-2000 06-08-2002 20-09-2004 12-03-2002 23-05-2002